

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,144,723 B2  
APPLICATION NO. : 09/991518  
DATED : December 5, 2006  
INVENTOR(S) : Fenical et al.

Page 1 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Following columns 13 and 14, delete the entire Sequence Listing and replace with the Sequence Listing as follows:

**SEQUENCE LISTING**

<160> NUMBER OF SEQ ID NOS: 9

<210> SEQ ID NO 1

<211> LENGTH: 20

<212> TYPE: DNA

<213> ORGANISM: Artificial sequence

<223> Amplification primer

<400> SEQUENCE: 1

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<210> SEQ ID NO 2

<211> LENGTH: 22

<212> TYPE: DNA

<213> ORGANISM: Artificial sequence

<223> Amplification primer

<400> SEQUENCE: 2

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22

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PATENT NO. : 7,144,723 B2  
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INVENTOR(S) : Fenical et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 3  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH643 16S ribosomal RNA gene, partial sequence

<400> SEQUENCE: 3  
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tggggtgatg gcctaccaag gcggcgacgg gtagccggcc tgagagggcg accggccaca 300  
ctgggactga gacacggccc agactcctac gggaggcagc agtggggaat cttgcacaat 360  
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ctttcagcag ggacgaagcg tttgtgacgg tacctgcaga agaagcgccg gccaaactacg 480  
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agctcgtagg cggcttgctg cgtcgactgt gaaaaccgct ggctcaactg cgggcttgca 600  
gtcgatacgg gcaggctaga gttcggtagg ggagactgga attcctggtg tagcggtgaa 660  
atgcgcagat atcaggagga acaccggtgg cgaaggcggg tctctgggcc gatactgacg 720

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

|  |      |
|--|------|
| ctgaggagcg aaagcgtggg gagcgaacag gattagatac cctggtagtc cacgctgtaa  | 780  |
| acgttgggcg ctaggtgtgg ggggcctctc cggttctctg tgccgcagct aacgcattaa  | 840  |
| gcgccccgcc tggggagtag gcccgcaagg ctaaaactca aaggaattga cggggggccc  | 900  |
| cacaagcggc ggagcatgcg gattaattcg atgcaacgcg aagaacctta cctgggtttg  | 960  |
| acatcgccgg aaatccttca gagatggggg gtccttcggg gccggtgaca ggtggtgcat  | 1020 |
| ggctgtcgtc agctcgtgct gtgagatgtt gggttaagtc ccgcaacgag cgcaaccctt  | 1080 |
| gttcgatgtt gccagcgcgt tatggcgggg actcatcgaa gactgccggg gtcaactcgg  | 1140 |
| aggaaggtgg ggatgacgct aagtcacat gcccttatg tccagggctt cacgcatgct    | 1200 |
| acaatggccg gtacagtggg ctgcgatacc gtgaggtgga gcgaatccca aaaagccggt  | 1260 |
| ctcagttcgg atcggggtct gcaactcgac cccgtgaagt cggagtcgct agtaatcgca  | 1320 |
| gatcagcaac gctgcggtga atacgttccc gggccttgta cacaccgcc gtcacgtcac   | 1380 |
| gaaagtcggc aacacccgaa gccggtggcc taacccttgt ggggggagcc gtcgaagggtg | 1440 |
| gggctggcga ttgggacgaa gtcgtaacaa ggtagccgt                         | 1479 |

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 4  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH646 16S ribosomal RNA gene, partial sequence

<400> SEQUENCE: 4  
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gtcgatacgg gcaggctaga gttcggtagg ggagactgga attcctggtg tagcggtgaa 660  
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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gggctggcga ttgggacgaa gtcgtaacaa ggtagccgt 1479
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 5  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH898 16S ribosomal RNA gene, partial sequence

<400> SEQUENCE: 5  
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

|  |      |
|--|------|
| ctgaggagcg aaagcgtggg gagcgaacag gattagatac cctggtagtc cacgctgtaa  | 780  |
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| gcgccccgcc tggggagtag gcccgcaagg ctaaaactca aaggaattga cgggggcccc  | 900  |
| cacaagcggc ggagcatgcg gattaattcg atgcaacgag aagaacctta cctggggttg  | 960  |
| acatcgccgg aaatccttca gagatggggg gtccttcggg gccggtgaca ggtggtgcat  | 1020 |
| ggctgtcgtc agctcgtgct gtgagatggt gggttaagtc ccgcaacgag cgcaaccctt  | 1080 |
| gttcgatggt gccagcgct tatggcgggg actcatcgaa gactgccggg gtcaactcgg   | 1140 |
| aggaaggtgg ggatgacgct aagtcacat gcccttatg tccagggtt cacgcatgct     | 1200 |
| acaatggccg gtacaatggg ctgcgatacc gtgaggtgga gcgaatccca aaaagccggt  | 1260 |
| ctcagttcgg atcggggtct gcaactcgac cccgtgaagt cggagtcgct agtaatcgca  | 1320 |
| gatcagcaac gctgcggtga atacgttccc gggccttgta cacaccgccc gtcacgtcac  | 1380 |
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| gggctggcga ttgggacgaa gtcgtaacaa ggtagccgt                         | 1479 |

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 6  
<211> LENGTH: 1480  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH440 16S ribosomal RNA gene, partial sequence

<400> SEQUENCE: 6  
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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| acgttggggc ctaggtgtgg ggagcctctc cggttctctg tgccgcagct aacgcattaa | 840  |
| gagccccgcc tggggagtag ggccgcaagg ctaaaactca aaggaattga cgggggcccc | 900  |
| cacaagcggc ggagcatgcg gattaattcg atgcaacgcg aagaacctta cctgggtttg | 960  |
| acatcgccgg aaatccttca gagatggggg gtccttcggg gccggtgaca ggtggtgcat | 1020 |
| ggctgtcgtc agctcgtgtc gtgagatgtt gggttaagtc ccgcaacgag cgcaaccctt | 1080 |
| gttcgatgtt gccagcgcgt tatggcgggg actcatcgaa gactgccggg gtcaactcgg | 1140 |
| aggaaggtgg ggatgacgtc aagtcacat gcccttatg tccagggtt cacgcatgct    | 1200 |
| acaatggccg gtacaatggg ctgcgatacc gtgaggtgga gcgaatccca aaaagccggt | 1260 |
| ctcagttcgg atcggggtct gcaactcgac cccgtgaagt cggagtcgct agtaatcgca | 1320 |
| gatcagcaac gctgcggtga atacgttccc gggccttgta cacaccgccc gtcacgtcac | 1380 |
| gaaagtcggc aacacccgaa gccggtggcc taacccttgt ggggggagcc gtcgaaggtg | 1440 |
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 7  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH536 16S ribosomal RNA gene, partial sequence  
  
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|---|------|
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| acgttggggcg ctagggtgtgg ggagcctctc cggttctctg tgccgcagct aacgcattaa | 840  |
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| cacaagcgcc ggagcatgcg gattaattcg atgcaacgcg aagaacctta cctgggtttg   | 960  |
| acatcgccgg aaatccttca gagatggggg gtccttcggg gccggtgaca ggtggtgcat   | 1020 |
| ggctgtcgtc agctcgtgtc gtgagatgtt gggttaagtc ccgcaacgag cgcaaccctt   | 1080 |
| gttcgatgtt gccagcgct tatggcgggg actcatcgaa gactgccggg gtcaactcgg    | 1140 |
| aggaaggtgg ggatgacgtc aagtcacat gccccctatg tccagggctt cacgcatgct    | 1200 |
| acaatggccg gtacaatggg ctgcgatacc gtgaggtgga gcgaatccca aaaagccggt   | 1260 |
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| gggctggcga ttgggacgaa gtcgtaacaa ggtagccgt                          | 1479 |

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

<210> SEQ ID NO 8  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH725 16S ribosomal RNA gene, partial sequence

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|  |      |
|--|------|
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| acgttgggcg ctaggtgtgg ggggcctctc cggttctctg tgccgcagct aacgcattaa  | 840  |
| gcgccccgcc tggggagtag ggccgcaagg ctaaaactca aaggaattga cggggggccc  | 900  |
| cacaagcgcc ggagcatgcy gattaattcg atgcaacgcy aagaacctta cctgggtttg  | 960  |
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| ggctgtcgtc agctcgtgtc gtgagatgtt gggttaagtc ccgcaacgag cgcaaccctt  | 1080 |
| gttcgatgtt gccagcgct tatggcgggg actcatcgaa gactgccggg gtcaactcgg   | 1140 |
| aggaaggtgg ggatgacgtc aagtcacat gcccttatg tccagggtt cacgcatgct     | 1200 |
| acaatggccg gtacagtggg ctgcgatacc gtgaggtgga gcgaatccca aaaagccggt  | 1260 |
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| gatcagcaac gctgcggtga atacgttccc gggccttgta cacaccgccc gtcacgtcac  | 1380 |
| gaaagtcggc aacacccgaa gccggtggcc taacccttgt ggggggagcc gtcgaagggtg | 1440 |
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<210> SEQ ID NO 9  
<211> LENGTH: 1479  
<212> TYPE: DNA  
<213> ORGANISM: *Salinospora* sp. CNH964 16S ribosomal RNA gene, partial sequence

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tggtgggtgg tggaaagatt ttttggcttg ggatgggctc gcggcctatc agcttgttgg 240  
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ctgggactga gacacggccc agactcctac gggaggcagc agtggggaat cttgcacaat 360  
gggcggaagc ctgatgcagc gacgccgcgt gagggatgac ggccttcggg ttgtaaacct 420  
ctttcagcag ggacgaagcg tttgtgacgg tacctgcaga agaagcgccg gccaaactacg 480  
tgccagcagc cgcggtaaga cgtagggcgc aagcgttgtc cggatttatt gggcgtaaag 540  
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gtcgatacgg gcaggctaga gttcggtagg ggagactgga attcctggtg tagcggtgaa 660  
atgcgcagat atcaggagga acaccggtgg cgaaggcggg tctctgggcc gatactgacg 720

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,144,723 B2  
APPLICATION NO. : 09/991518  
DATED : December 5, 2006  
INVENTOR(S) : Fenical et al.

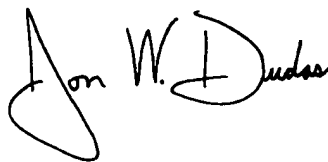
Page 15 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

|  |      |
|--|------|
| ctgaggagcg aaagcgtggg gagcgaacag gattagatac cctggtagtc cacgctgtaa  | 780  |
| acgttggggcg ctaggtgtgg ggggcctctc cggttctctg tgccgcagct aacgcattaa | 840  |
| gcgccccgcc tggggagtag gggcgcaagg ctaaaactca aaggaattga cggggggccc  | 900  |
| cacaagcggc ggagcatgcg gattaattcg atgcaacgcg aagaacctta cctgggtttg  | 960  |
| acatcgccgg aaatccttca gagatggggg gtccttcggg gccggtgaca ggtggtgcat  | 1020 |
| ggctgtcgtc agctcgtgtc gtgagatggt gggttaagtc ccgcaacgag cgcaaccctt  | 1080 |
| gttcgatggt gccagcgcgt tatggcgggg actcatcgaa gactgccggg gtcaactcgg  | 1140 |
| aggaaggtgg ggatgacgtc aagtcacat gcccttatg tccagggtt cacgcatgct     | 1200 |
| acaatggccg gtacagtggg ctgcgatacc gtgaggtgga gcgaatcca aaaagccggt   | 1260 |
| ctcagttcgg atcgggggtct gcaactcgac cccgtgaagt cggagtcgct agtaatcgca | 1320 |
| gatcagcaac gctgcggtga atacgttccc gggccttgta cacaccgcc gtcacgtcac   | 1380 |
| gaaagtcggc aacaccgaa gccggtggcc taacccttgt ggggggagcc gtcgaagggtg  | 1440 |
| gggctggcga ttgggacgaa gtcgtaacaa ggtagccgt                         | 1479 |

Signed and Sealed this

Eighth Day of April, 2008



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*